

Applicants: David J. Pinsky, et al.  
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**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

1-24. (Canceled)

25. (Currently Amended) A method for treating a reperfusion injury in a subject which comprises administering to the subject a Factor IXa compound in a sufficient amount over a sufficient period of time to inhibit coagulation so as to treat the reperfusion injury in the subject, wherein the Factor IXa compound is selected from the group consisting of the following: ~~Factor IXa chemically inactivated by dansyl-gly-arg-chloromethylketone,~~ Factor IXmi (Ser365→Xxx), Factor IXmi (Asp269→Yyy), Factor IXmi (His221→Zzz), Factor IXmi (Ser365→Xxx, Asp269→Yyy), Factor IXmi (Ser365→Xxx, His221→Zzz), Factor IXmi (Asp269→Yyy, His221→Zzz), Factor IXmi (Ser365→Xxx, Asp269→Yyy, His221→Zzz), Factor IXami (Ser365→Xxx), Factor IXami (Asp269→Yyy), Factor IXami (His221→Zzz), Factor IXami (Ser365→Xxx, Asp269→Yyy), Factor IXami (Ser365→Xxx, His221→Zzz), Factor IXami (Asp269→Yyy, His221→Zzz) and Factor IXami (Ser365→Xxx, Asp269→Yyy, His221→Zzz), wherein Xxx is any one of the standard amino acids other than serine, Yyy is any one of the standard amino acids other than aspartic acid and Zzz is any one of the standard amino acids other than histidine.

26-35. (Canceled)